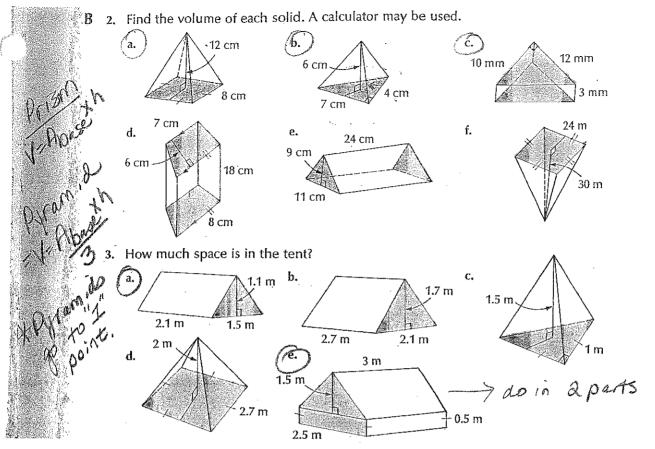
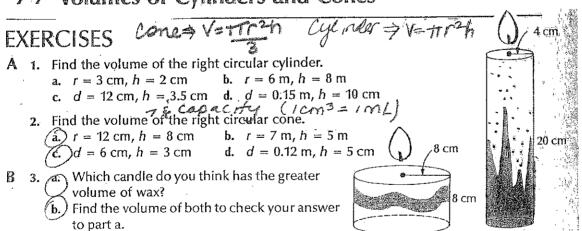
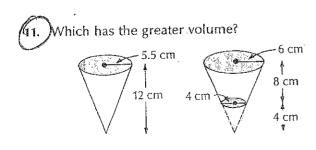
7-6 Volumes of Prisms and Pyramids

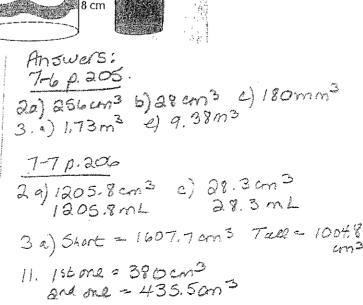


205

7-7 Volumes of Cylinders and Cones 206







208

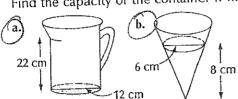
Recall that volume, the amount of space an object occupies, is measured in cubic metres or cubic centimetres.

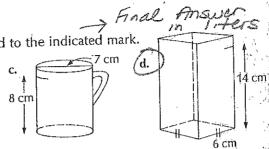
Capacity, the amount a hollow object will hold, is measured in litres or millilitres.

> $1 \text{ cm}^3 = 1 \text{ mL}$ $1000 \text{ cm}^3 = 1 \text{ L}$

EXERCISES

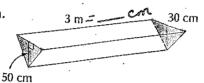
A 1. Find the capacity of the container if filled to the indicated mark





A water trough has the interior dimensions shown.

- a. Find its capacity.
- b. = What-mass of water will



The Sphere

EXERCISES

A 1. Find the volume of the sphere with the given measure.

- r = 8 mm
- **b.** r = 14 cm

210

- (c.) d = 10 m

Answers

- 6) 0.07546
- d) 0.504 L

2251

7-9 p. 210 19) 2143,6 mm3

G)523.3m3